

Serial No.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Andrei Colibaba-Evulet : Group Art Unit:
 Serial No.: : Examiner:
 Filed: :
 For AN APPLIANCE HAVING A CONTAINER
 INCLUDING A NANOSTRUCTURED MATERIAL :
 FOR HYDROGEN STORAGE

INFORMATION DISCLOSURE STATEMENT

- ☒ 1 **Pursuant to 37CFR 1.97(b)**
 [within 3 months of national, non-CPA filing or prior to 1st Office Action] *no charge*
- ☐ 2 **Certification Pursuant to 37 CFR 1.97(c)(1)**
 [before Final Office Action, Allowance, or other action closing prosecution] *no charge*
- ☐ 3 **Fee Payment Pursuant to 37 CFR 1.97(c)(2)**
 [before Final Office Action, Allowance, or other action closing prosecution] *\$180.00*
- ☐ 4 **Certification & Fee Payment Pursuant to 37 CFR 1.97(d)**
 [On or before issue fee payment] *\$180.00*

ATTN: BOX PATENT APPLICATION
 Assistant Commissioner for Patents
 Washington, D.C. 20231

Sir:

The following are submitted in the above application in compliance with 37 CFR 1.97 and 37 CFR 1.98:

- ☒ 5 A list of documents on form PTO-1449 or Substitute together with copies of each identified document and a translation thereof or a concise explanation of each non-English language document or a Search Report from an International Searching Authority for a patent application filed via the Patent Cooperation Treaty or document(s) cited in the application or the priority application.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on the date indicated below.

 Date of Deposit

 Type or Print Name

 Signature

"EXPRESS MAIL" MAILING
 LABEL NUMBER
 EV 300766807US

This paper is submitted in accordance with:

- ☒ 6 37 CFR 1.97(b): [within 3 months of national, non-CPA filing or prior to 1st Office Action]
- ☐ 7 37 CFR 1.97(c): [before Final Office Action, Allowance, or other action closing prosecution, whichever is earlier]; and
- ☐ 8 The required Certification made in item 11 below;
- ☐ 9 ^{or} The \$180.00 fee specified in 37 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 15 below.
- ☐ 10 37 CFR 1.97(d): [on or before issue fee payment]; and
- a) The required Certification is stated in item 11 below; and
- b) The \$180.00 fee specified in 37 CFR 1.17(p) for submission of this Information Disclosure Statement is authorized in item 14 below.
- ☐ 11 Certification
- ☐ 12 Each item of information contained in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign patent application not more than three months prior to the filing of this Statement; or
- ☐ 13 No item contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing this document after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in 37 CFR 1.56(c) more than three (3) months prior to the filing date of this Statement.
- ☒ 14 Payment of all applicable fees:
- ☒ 15 Please charge all applicable fees associated with the submittal of this Information Disclosure Statement to Deposit Account No. 07-0868

An original and two (2) copies of this document are enclosed.

October 15, 2003

Date

General Electric Company
CRD Patent Docket Rm 4A59
P.O. Box 8, Bldg. K-1
Schenectady, New York 12301
Customer Number: 006147

Respectfully submitted,



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*FORM PTO-1449 (REV. 7-80)	US. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 131553-1	SERIAL NO.
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <u>LIST OF ITEMS</u>		Applicant: Andrei Colibaba-Evulet	
		Filing Date	Group

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A1	5,424,054	6/13/95	Bethune et al.		
	A2	5,543,378	8/6/96	Wang		
	A3	5,653,951	8/5/97	Rodriguez et al.		
	A4	5,817,157	10/6/98	Checketts		
	A5	5,851,507	12/22/98	Pirzada et al.		
	A6	5,965,267	10/12/99	Nolan et al.		
	A7	6,119,651	9/19/00	Anderson		
	A8	6,290,753	9/18/01	Maeland et al.		
	A9	6,309,449	10/30/01	Klos et al.		
	A10	6,350,488	2/26/02	Lee et al.		
	A11	6,368,406	4/9/02	Deevi et al.		
	A12	6,432,176	8/13/02	Klos et al.		
	A13	6,602,932	8/5/03	Feldheim et al.		

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	B1					
	B2					
	B3					
	B4					

OTHER INFORMATION (Including Author, Title, Date, Pertinent Pages, etc.)

	C1	W. Teunissen et al., "The Structure of Carbon Encapsulated NiFe Nanoparticles", Journal of Catalysis, Volume 204, pp. 169-174, 2001.
	C2	C. Davis et al., "Hydrogen Fuel Cell Vehicle Study", pp. 1-38, June 12, 2003.
	C3	L. Schlapbach et al., "Hydrogen-Storage Materials for Mobile Applications", Macmillian Magazines Ltd., Volume 414, pp. 353-358, 2001.
	C4	DT Colbert, "Single-Wall Nanotubes: A New Option for Conductive Plastics and Engineering Polymers".
	C5	S. Kumar et al., Carbon Nanotubes: A Small-Scale Wonder", reprinted from Chemical Engineering, February 2003.

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

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OTHER INFORMATION (Continued from page 1) (Including Author, Title, Date, Pertinent Pages, etc.)					
	C6	A. Lueking et al., "Hydrogen Storage in Carbon Nanotubes: Residual Metal Content and Pretreatment Temperature", American Institute of Chemical Engineers, AIChE Journal, via ProQuest Information and Learning Company, pp. 1-13, 2003.			
	C7	B. Bockrath, "Hydrogen Storage on Carbon Nanotubes", Fuels and Process Chemistry Division, National Energy Technology Laboratory.			
	C8	AC Dillon, "Hydrogen Storage in Carbon Single-Wall Nanotubes", Proceedings of the 2002 U.S. DOE Hydrogen Program Review, NREL/CP-610-32405, National Renewable Energy Laboratory, Golden, CO 80401-3393, pp. 1-18.			
	C9	J. Wang, "Hydrogen Storage for Transportation Applications", Materials & Engineering Sciences Center, Atoms to Continuum, Presentation at Energy and Nanotechnology: Strategy for the Future Conference Center for Nanoscale Science and Technology, Rice University, Houston, TX, pp. 1-24, May 4, 2003.			
	C10	"Hydrogen Storage "Think Tank" Report", sponsored by the U.S. Department of Energy Office of Hydrogen, Fuel Cells and Infrastructure Technologies, pp. 1-11, March 14, 2003.			
	C11	Ovonic Hydrogen Solutions, "We Help Fuel Imaginations".			
	C12	F. Barbir, "Review of Hydrogen Conversion Technologies", Clean Energy Research Institute, University of Miami, Coral Gables, FL 33124, USA.			
	C13	TN Veziroglu, "hydrogen Energy System: A Permanent Solution to Global Problems", Clean energy research Institute, University of Miami, Coral Gables, FL 33124, USA.			
	C14	B. Viswanathan et al., "Carbon Nanomaterials – Are They Appropriate Candidates for Hydrogen Storage?", Department of Chemistry, Indian Institute of Technology, Madras 600 036.			
	C15	AC Dillon et al., "Optimization of Single-Wall Nanotube Synthesis for Hydrogen Storage", National Renewable Energy Laboratory, Golden, CO 80401-3393 (USA, IEA Task 12: Metal Hydrides and Carbon for Hydrogen Storage 2001.			
	C16	SM Lee et al., "Novel Mechanism of Hydrogen Storage in Carbon Nanotubes", Journal of the Korean Physical Society, Volume 38, No. 6, pp. 686-691, June 2001.			
	C17	J. Li et al., "Theoretical Evaluation of Hydrogen Storage Capacity in Pure Carbon Nanostructures", Journal of Chemical Physics, American Institute of Physics, Volume 119, Number 4, pp. 2376-2385, 2003.			
	C18	AC Dillon et al., "Carbon Nanotube Materials for Hydrogen Storage", Proceedings of the 1999 DOE/NREL Hydrogen Program Review, NREL/CP-570-26938, May 4-6, 1999.			
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	C19	B. Simard et al., " <i>Hydrogen Storage in Single-Walled Carbon Nanotubes</i> ", Foresight Institute, This is an abstract for a presentation given at the Ninth Foresight Conference on Molecular Nanotechnology, March 10, 2003.			
	C20	J. Ying, " <i>Nanostructure Processing of Advanced Catalytic Materials</i> ", Department of Chemical Engineering, Massachusetts Institute of Technology, Cambridge, MA 02139, pp. 1-4, March 10, 2003.			
	C21	BK Pradhan et al., " <i>large Cryogenic Storage of Hydrogen in Carbon Nanotubes at Low Pressures</i> ", Mat. Res. Soc. Symp. Proc., Volume 706 @ Materials Research Society, pp. Z10.3.1-Z10.3.6, 2002.			
	C22	RB Schwarz, " <i>Storage of Hydrogen in Powders With Nanosized Crystalline Domains</i> ", Center for Materials Science, Mail Stop K765, Los Alamos National Laboratory, Los Alamos, NM 87545, pp. 1-3, March 10, 2003.			
	C23	DE Luzzi et al., " <i>Nanote CO2, Nanotechnology in Carbon and Related Materials</i> ", University of Sussex at Brighton, pp. 1-37, August 28-31, 2002.			
	C24				
	C25				
	C26				
	C27				
	C28				
	C29				
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